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REQUEST FOR ACCESS

Date: 1/30/96

Serial Number: 904,662

Filing Date: 09/08/92

Applicants: Anderson et al.

Sir.

Request is hereby respectfully made for access to the file history of the following abandoned application referred to in U.S. patent number 5,399,346 or printed application number \_\_\_\_\_.

Respectfully submitted,

Eden Maybell

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initials

FILE INFORMATION UNIT

130

# United States Patent [19]

Anderson et al.

US05399346A

[11] Patent Number: 5,399,346

[45] Date of Patent: Mar. 21, 1995

[54] GENE THERAPY

[75] Inventors: W. French Anderson, Bethesda; R. Michael Blaese, Rockville; Steven A. Rosenberg, Bethesda, all of Md.

[73] Assignee: The United States of America as represented by the Department of Health and Human Services, Washington, D.C.

[21] Appl. No.: 220,175

[22] Filed: Mar. 30, 1994

Related U.S. Application Data

[63] Continuation of Ser. No. 904,662, Sep. 8, 1992, abandoned, which is a continuation-in-part of Ser. No. 868,794, Apr. 15, 1992, abandoned, which is a continuation-in-part of Ser. No. 807,446, Dec. 13, 1991, abandoned, which is a continuation-in-part of Ser. No. 365,567, Jun. 14, 1989, abandoned.

[51] Int. Cl.<sup>6</sup> ..... A61K 48/00; C12N 5/22; C12N 15/63; C12N 15/09

[52] U.S. Cl. ..... 424/93.21; 435/172.3; 435/240.2; 435/69.5; 435/69.51; 435/69.52; 935/62; 935/22; 935/32; 935/34; 935/57; 935/79

[58] Field of Search ..... 935/22, 32, 34, 57, 935/62, 79; 435/172.3, 240.2, 69.5, 69.51, 69.52; 424/93.21

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[57] ABSTRACT

Primary human cells which are genetically engineered with DNA (RNA) encoding a marker or therapeutic which is expressed to be expressed in vivo. Such engineered cells may be used in gene therapy.

14 Claims, 6 Drawing Sheets

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